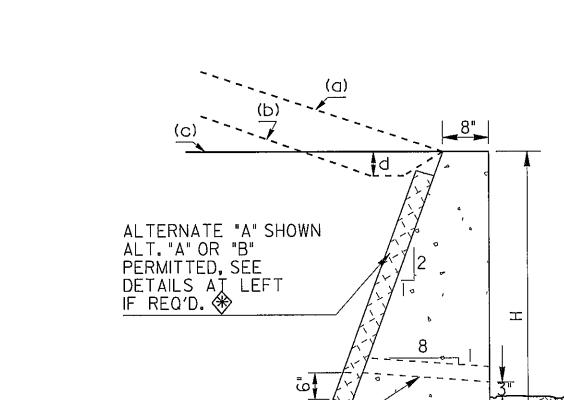
STATE PROJECT NUMBER SHEET TOTAL SHEETS

GA. CSSTP-0001-00(933) 122 155

## DETAILS OF RETAINING WALL TYPICAL SECTIONS



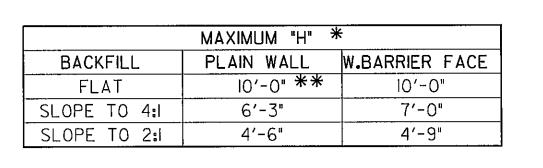
H/2 + 8"

4" ID. WEEPHOLES AT 8 O.C.

(a) - SLOPED BACKFILL, NO DITCH
(b) - SLOPED BACKFILL WITH DITCH

(c) - FLAT BACKFILL

d = DITCH DEPTH, 6'-12" TYPICAL SEE PLANS FOR DESIGN



\*GREATER "H" PERMITTED IF APPROVED BY BRIDGE DESIGN.

\*\*MAXIMUM "H" OF 7'-3" HERE IF TRAFFIC IS ON BACKFILL.

SEE STANDARD 4948 WHERE CONCRETE SIDE BARRIERS ARE DESIRED.

(c)

(b)

(c)

(d)

VERTICAL

VERTICAL

GRAVITY WALL WITH BARRIER FACE SHALL BE CONSTRUCTED WITH CLASS "A" CONCRETE.

ALTERNATE "A" SHOWN ALT. "A" OR "B"
PERMITTED. SEE DETAILS AT LEFT, IF REQUIRED.

(d)

(d)

VERTICAL

FACE SHALL BE CONSTRUCTED WITH CLASS "A" CONCRETE.

TYPICAL SECTION FOR GRAVITY WALL WITH BARRIER FACE

STANDARD DRAINAGE FOR RETAINING WALLS

(FOR HEIGHTS FROM 6 FT. TO 18 FT. - SPECIAL DESIGN DRAINAGE REQUIRED FOR RETAINING WALLS OVER 18 FT. IN HEIGHT.)

ALTERNATE "A"

CONC. SAND

WEEPHOLE

CONTINUOUS SYNTHETIC

DRAINAGE BLANKET (GA D.O.T. QUALIFIED PRODUCTS LIST #47)

CONTINUOUS BLANKET OF FINE AGGREGATE UNDER-

DRAIN MAT'L OR NO.10

ICU.FT #89 OR 789

STONE CONTAINED IN

A BURLAP BAG AT EACH

#8 MESH SCREEN

TYPICAL SECTION FOR GRAVITY TYPE WALL MATERIALS: CLASS "B" CONC. OR MORTAR RUBBLE MASONARY.

## DETAIL FOR RAISING HEADWALL

RETAINING WALL (DESIGN

ACCORDING TO PLAN DETAILS)

PAYMENT FOR RETAINING WALL (ALL KINDS) INCLUDES

MAY BE USED, IF APPROVED

4" I.D. WEEPHOLES 8' O.C.

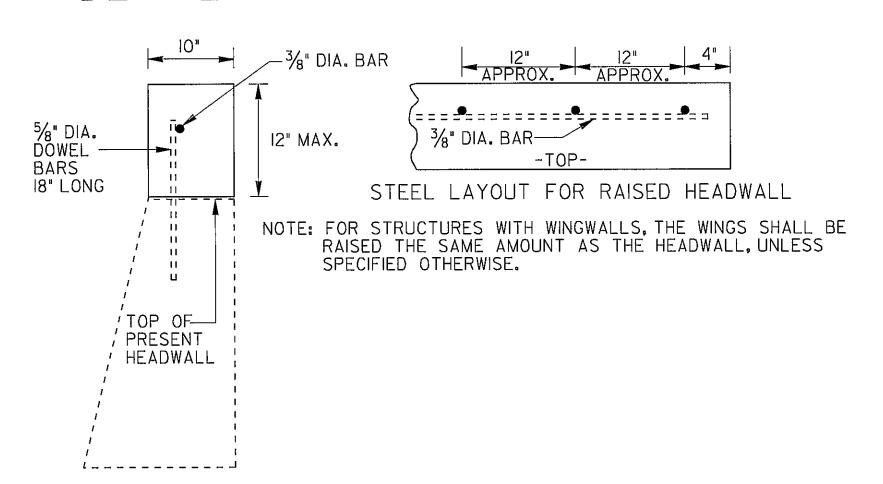
FULL LENGTH OF WALL

BY THE ENGINEER.

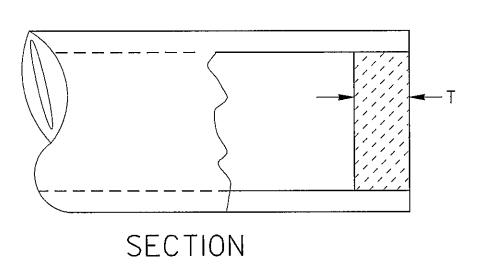
THE DRAINAGE MATERIALS, ALTERNATE DRAINAGE MATERIALS

♦ DRAINAGE ALTERNATES MAY BE OMITTED IF "H" DOES NOT

EXCEED 6'-0".



## TYPICAL PIPE PLUG



NOTE: PLAN PAY QUANTITIES ARE TO REFLECT PIPE PLUGS AS CU. YDS. OF CL. A OR CL. B CONCRETE. ON CONSTRUCTION PLUGS MAY BE BUILT WITH BRICK MASONRY, MORTAR RUBBLE MASONRY, CL. A CONC., OR CL. B CONC. WITH NO ADJUSTMENT IN PAYMENT MADE FOR ALTERNATES.

D	T (MIN)	PIPE PLUG (CU. YDS.)
12"	8"	0.0194
l5 <b>"</b>	8"	0.0303
18"	8"	0.0436
24"	8"	0.0776
30"	8"	0.1212
36"	8"	0.1745
42"	8"	0.2376
48"	8"	0.3103
54"	12"	0.5890
60"	12"	0.7272
66"	I2"	0.8799
72"	12"	1.0472

6-30-98	4-30-84	2-15-83	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA		
REDRAWN	) PIPE PLUG DETAILS	STANDARD  STANDARD  RETAINING WALL TYPICAL SECTIONS,  RAISING HEADWALL, AND  TYPICAL PIPE PLIG				
REC	ADD	RET		NO SCALE: REV. & REDR. D	ECEMBER, 1982	
G J.P	RMU	R.M.U.		REV &R.M.U. (SUBMITTED) REDR STATE ROAD & AIRPORT DESIGN ENGR TRA. G.M.E. (APPROVED) CHK. R.K.C. STATE HIGHWAY ENGINEER	NUMBER 9031L SHEET 1 OF 2	